

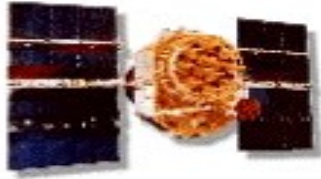
The Ionospheric Scintillation Environment briefing is “For Official Use Only” and is available “upon request only.”

The next two slides display the opening slide and the outline for the remaining 24 slides of the briefing.

Please contact the ASNE MSEA Office at MS@afccc.af.mil if you wish to view this power point slide show.

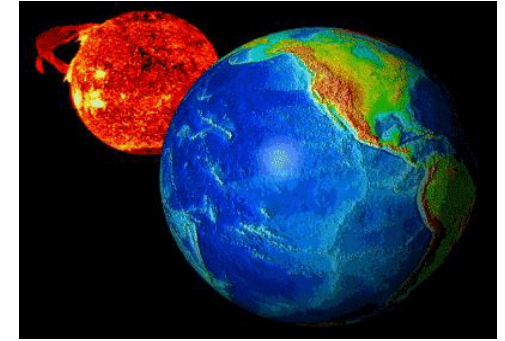
Best of Luck!

The Impacts of Equatorial Scintillation on Dual-Frequency GPS Positioning Accuracy



Presented at
71st MORS

Quantico, VA
10-12 June 2003



K. M. Groves, T. R. Pedersen, T. Beach

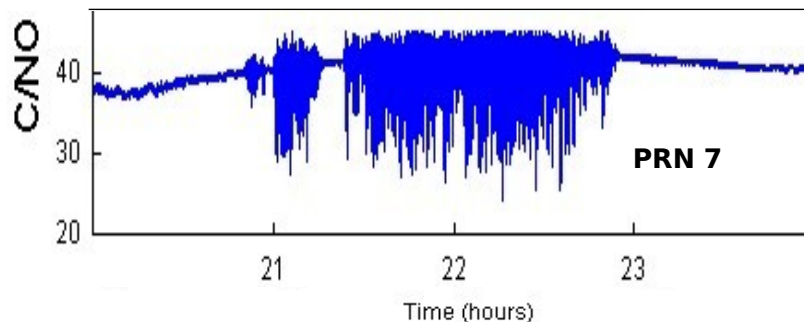
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Outline

- **Ionospheric Scintillation Environment**
- **Examples of Impacts to Space-based Communications & Navigation Systems**
- **Scintillation Scenarios for Modeling & Simulation**



ionospheric Scintillated GPS Signal
(Amplitude)